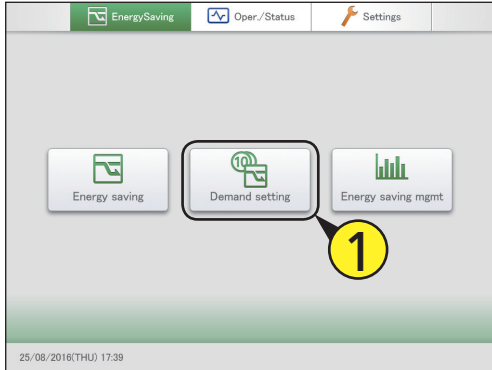


Registering demand point input [Register demand point]

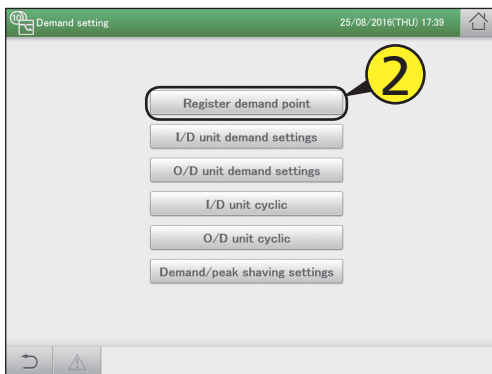
Register the Di terminal of the main unit or the communication adaptor that inputs the demand point when an external equipment is connected.

1 Touch [Demand setting] in “EnergySaving”.



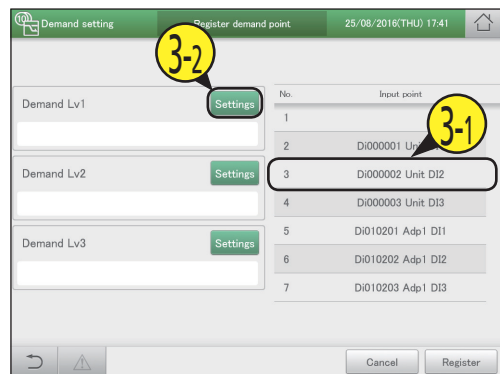
2 Touch [Register demand point].

- Enter the identification number (password level 1 or 2) and the “Register demand point” screen is displayed.



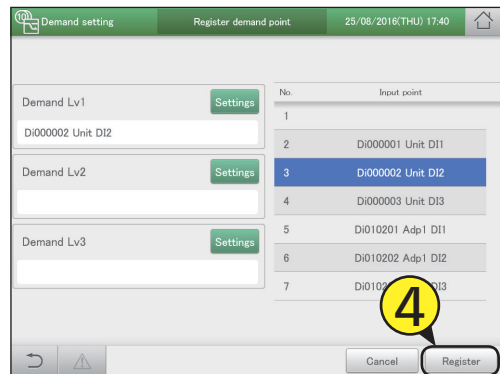
3 Select the main unit or the communication adaptor from the list at right (3-1) and touch [Settings] (3-2).

- Set the demand points (“Demand 1”, “Demand 2”, and “Demand 3”).
- You can change the name of the adaptor displayed for the demand points. Touch the text box and change with the touchscreen keyboard. (Enter a name up to 16 alphanumeric characters)



4 Touch [Register].

- To cancel the settings, touch [Cancel].



Demand settings on the indoor unit [I/D unit demand settings]

You can automatically control indoor units by setting indoor unit demand control levels to cut the maximum demand for electricity or maximum gas consumption.

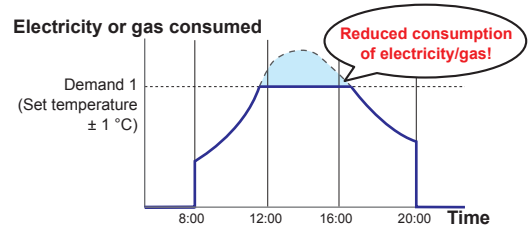
Set an operation when the setting levels for the demand point inputs come on.

Attention

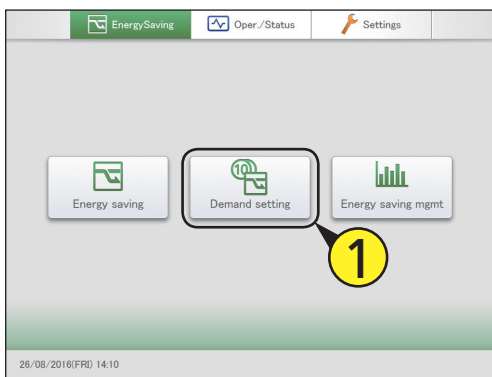
- Register the demand point input before making these settings. (P.89)
- Before making these settings, also cancel the demand operation settings ([No settings]) for the outdoor units in the “O/D unit information” screen. (P.35)

When “±1°C” is set in the setting level “Demand 1” during cooling

When the demand signal is received from the external equipment, the demand 1 contact comes on and the set temperature is raised by 1 °C.

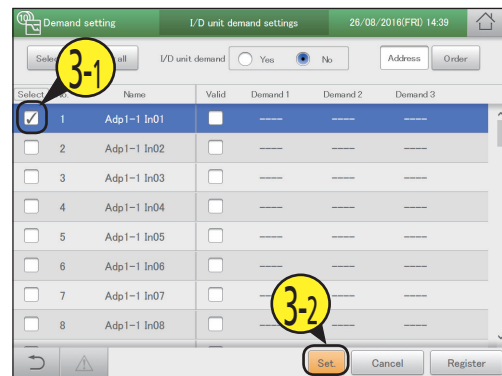


1 Touch [Demand setting] in “EnergySaving”.



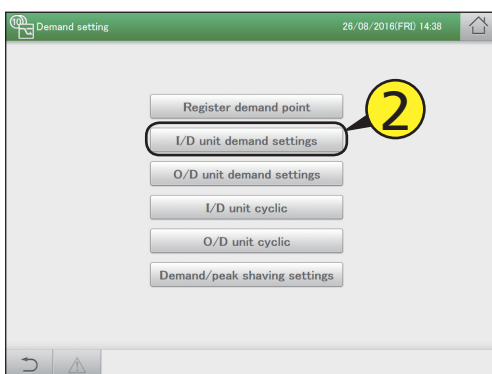
3 Put a check mark in the “Select” column (3-1), and touch [Set.] (3-2).

- The “Setting” dialogue is displayed.



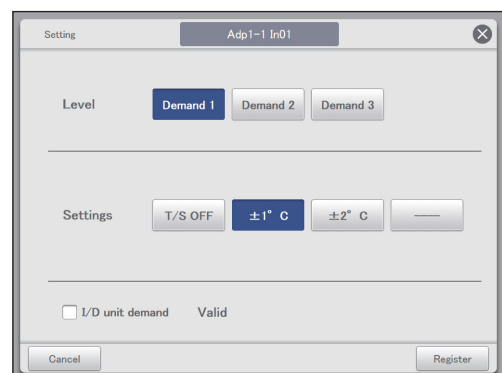
2 Touch [I/D unit demand settings].

- Enter the identification number (password level 1 or 2) and the “I/D unit demand settings” screen is displayed.



4 Change the settings.

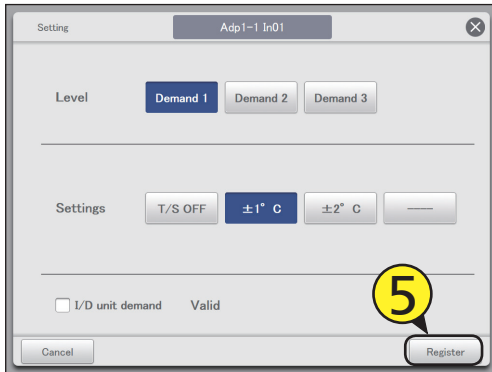
- Set the “Settings” for “Demand 1”, “Demand 2”, and “Demand 3” in “Level”.



Item	Explanation
Level	Select a setting level.
Settings	Select an operation. No operation is caused if you select [----].
I/D unit demand Valid	The demand setting is enabled for the selected indoor unit if you put a check mark here.

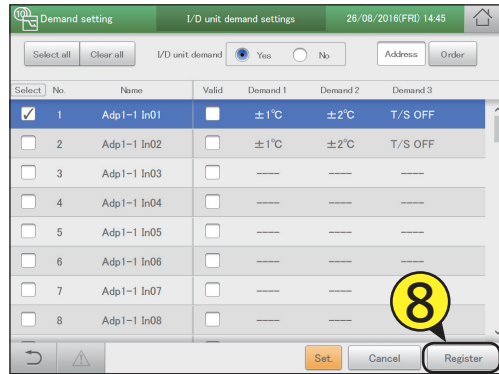
5 Touch [Register].

- The “Setting” dialogue closes.
- To cancel the settings, touch [Cancel].



8 Touch [Register].

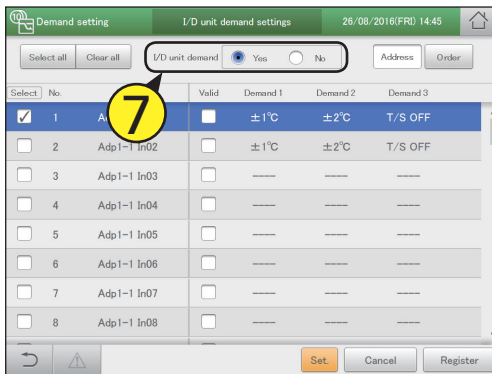
- To cancel the settings, touch [Cancel].



6 Set other indoor units.

- Repeat steps 3 to 5.

7 Select “Yes” for “I/D unit demand”.



The "I/D unit demand settings" screen

A: [Select all]/[Clear all] buttons

[Select all]	Select all indoor units.
[Clear all]	Cancel selection of all indoor units.

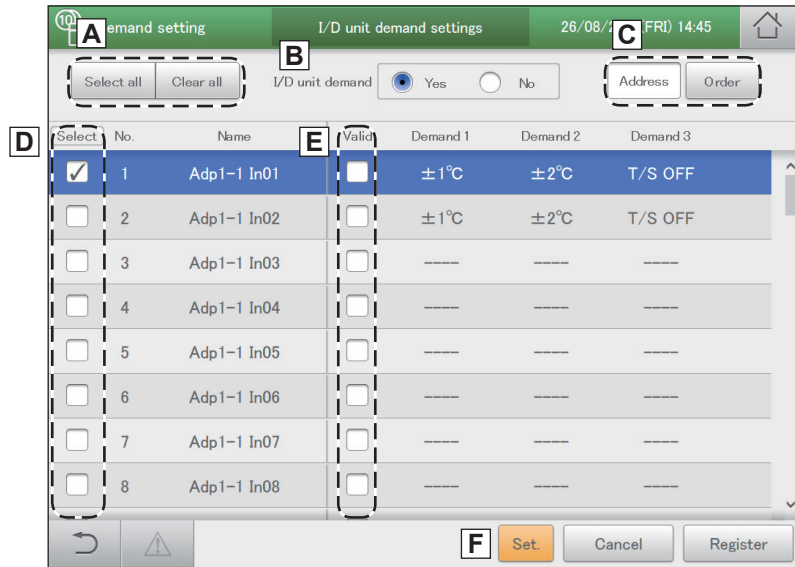
B: Set whether to enable indoor unit demand control across the whole system or not.

Note

- If you select "Yes", make sure that you set "No" for outdoor unit demand settings.

C: Change list order. The list order changes each time you touch it.

Display	The display follows the order set in "I/D unit settings" (P.141).
O/D unit	The display follows the outdoor unit display order set in "O/D unit settings" (P.145).
Address	The display follows the address order set in "I/D unit settings" (P.141).



D: The indoor units with a check mark next to them will be the subject of the changes to the settings.

E: The I/D unit demand setting is enabled for the selected indoor unit if you put a check mark here. This is linked with the "I/D unit demand Valid" ("Setting" dialogue) (P.90) setting.

F: The "Setting" dialogue is displayed when you touch this.

Demand settings on the outdoor unit [O/D unit demand settings]

You can automatically control outdoor units by setting outdoor unit demand control levels to cut the maximum demand for electricity or maximum gas consumption.

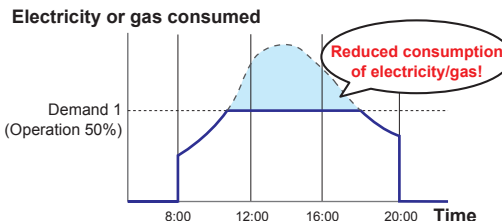
Set an operation when the setting levels for the demand point inputs come on.

Attention

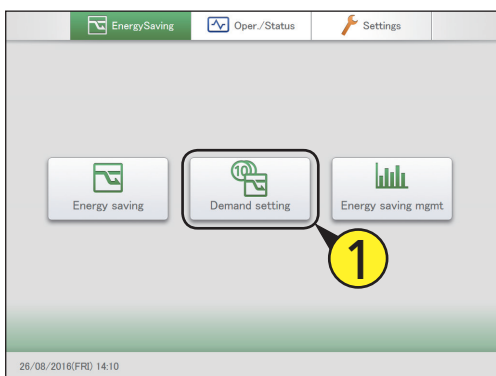
- Register the demand point input before making these settings. (P.89)
- Before making these settings, also cancel the demand operation settings ((No settings)) for the outdoor units in the “O/D unit information” screen. (P.35)

When “Ope. 50%” is set in the setting level “Demand 1” during warming

When the demand signal is received from the external equipment, the demand 1 contact comes on and the operation of the outdoor unit is restricted by 50%.



1 Touch [Demand setting] in “EnergySaving”.



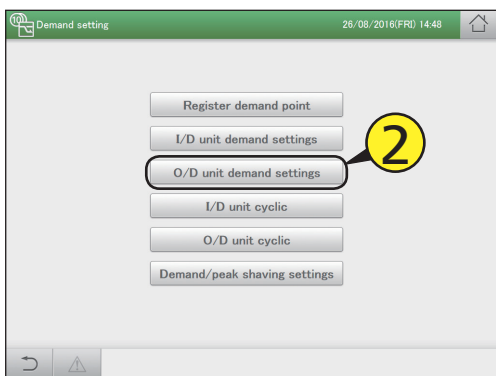
3 Put a check mark in the “Select” column (3-1), and touch [Set.] (3-2).



- The “Setting” dialogue is displayed.

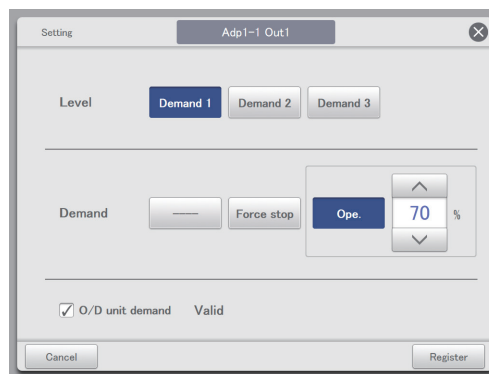
2 Touch [O/D unit demand settings].

- Enter the identification number (password level 1 or 2) and the “O/D unit demand settings” screen is displayed.



4 Change the settings.

- Set the “Demand” for “Demand 1”, “Demand 2”, and “Demand 3” in “Level”.

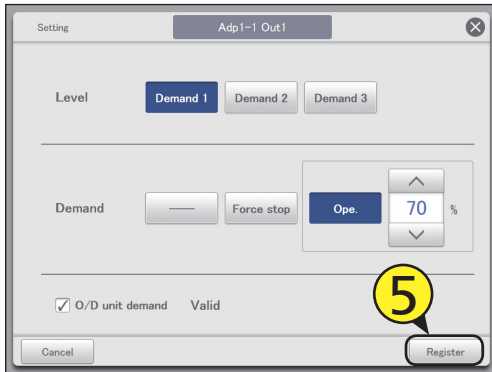


Item	Explanation
Level	Select a setting level.
Demand	Select an operation. No operation is caused if you select [----]. When you have selected [Ope.] in “Demand”, set the control rate with . The values shown are those values that can be set for the outdoor unit selected.
O/D unit demand Valid	The demand setting is enabled for the selected outdoor unit if you put a check mark here.

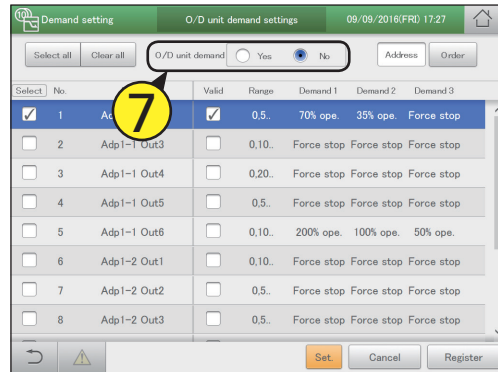
Continued on next page

5 Touch [Register].

- The “Setting” dialogue closes.
- To cancel the settings, touch [Cancel].



7 Select “Yes” for “O/D unit demand”.

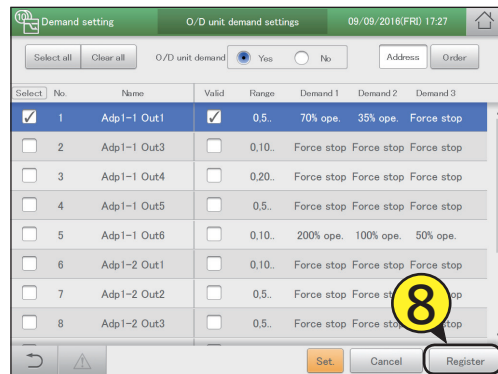


6 Set other outdoor units.

- Repeat steps 3 to 5.

8 Touch [Register].

- To cancel the settings, touch [Cancel].



The “O/D unit demand settings” screen

A: [Select all]/[Clear all] buttons

[Select all]	Select all outdoor units.
[Clear all]	Cancel selection of all outdoor units.

B: Set whether to enable outdoor unit demand control or not.

Note

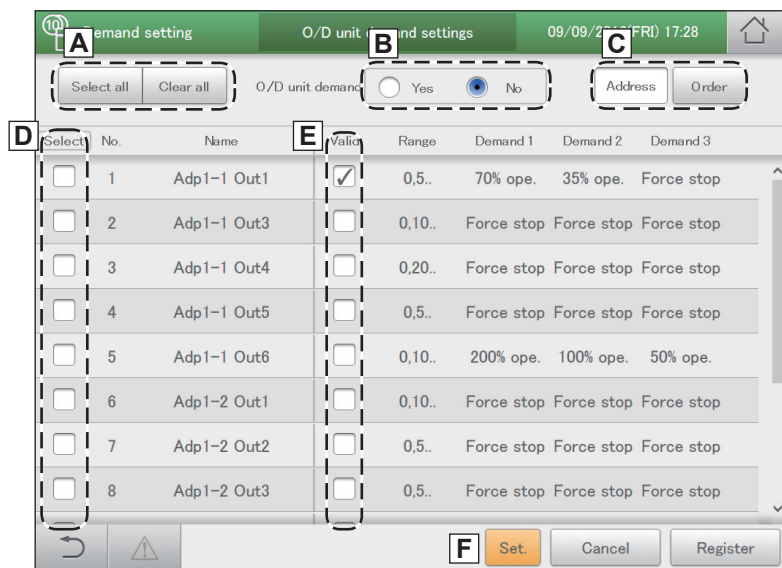
- If you select “Yes”, make sure that you set “No” for indoor unit demand settings.

C: This switches between “Display” and “Address” each time you touch it.

D: The outdoor units with a check mark next to them will be the subject of the changes to the settings.

E: The O/D unit demand setting is enabled for the selected outdoor unit if you put a check mark here. This is linked with the “O/D unit demand Valid” (“Setting” dialogue) (P.93) setting.

F: The “Setting” dialogue is displayed when you touch this.



Suppressing the consumption of electricity/ gas [Demand/peak shaving settings]/[Peak cut settings*]

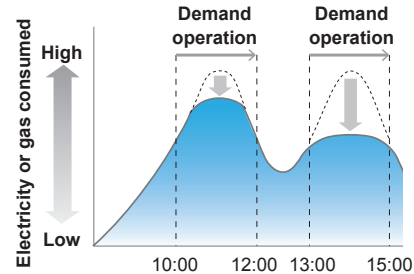
* When using gas heat pump air conditioners

You can limit the electricity or gas consumed by outdoor units during the set time slot.

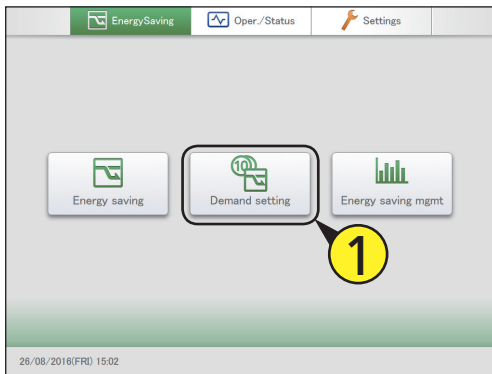
Attention

- Register the demand point input before making these settings. (P.89)
- Before making these settings, also cancel the demand operation settings ([No settings]) for the outdoor units in the "O/D unit information" screen. (P.35)

When set to the 10:00 to 12:00 and 13:00 to 15:00 time slots, the consumption of electricity/gas by the outdoor units is reduced during those time periods.

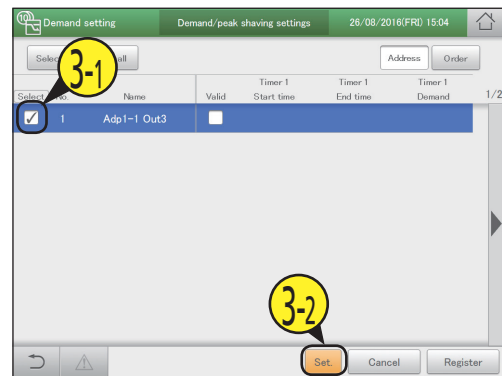


1 Touch [Demand setting] in "EnergySaving".



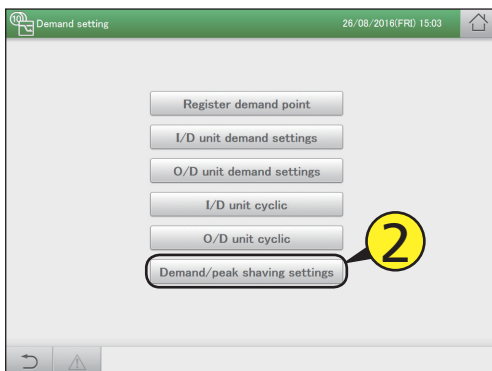
3 Put a check mark in the "Select" column (3-1), and touch [Set.] (3-2).

- The "Setting" dialogue is displayed.

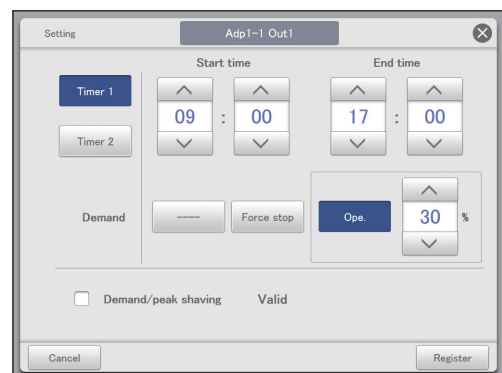


2 Touch [Demand/peak shaving settings].

- Enter the identification number (password level 1 or 2) and the "Demand/peak shaving settings" screen is displayed.



4 Change the settings.



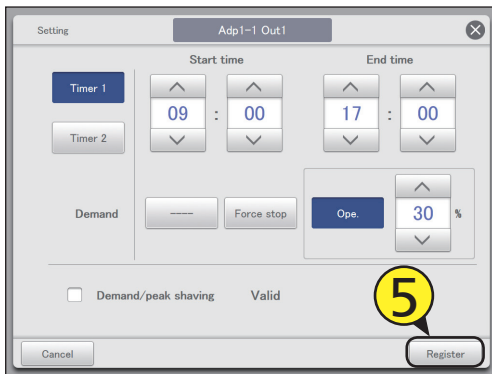
Item	Explanation
Timer 1 Timer 2	First select either "Timer 1" or "Timer 2", then set the "Start time", "End time", and "Demand" for each of them.

Continued on next page

Item	Explanation
Start time End time	Set the start and end times for "Timer 1" and "Timer 2". Use <input type="button" value="▲"/> <input type="button" value="▼"/> to set the time. The setting ranges are as follows. <ul style="list-style-type: none"> Hours: 00 to 23 (1 hour intervals) Minutes: 00 to 59 (1 minute intervals) Note <ul style="list-style-type: none"> You can make the settings extend over different dates. For example: 22:00 to 08:00
Demand	Select an operation. No operation is caused if you select [----]. When you have selected [Ope.] in "Demand", set the control rate with <input type="button" value="▲"/> <input type="button" value="▼"/> . The values shown are those values that can be set for the outdoor unit selected.
Demand/peak shaving Valid	The outdoor unit time slot demand control setting is enabled for the selected outdoor unit if you put a check mark here.

5 Touch [Register].

- The "Setting" dialogue closes.
- To cancel the settings, touch [Cancel].

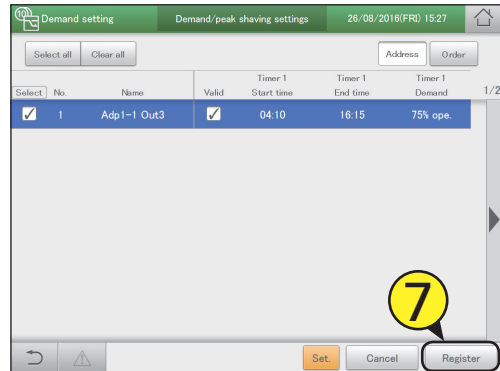


6 Set other outdoor units.

- Repeat steps 3 to 5.

7 Touch [Register].

- To cancel the settings, touch [Cancel].



Note

- The settings for peak cut (when using gas heat pump air conditioners) are made in the same way as outdoor time slot demand settings.

The “Demand/peak shaving settings” screen

A: [Select all]/[Clear all] buttons

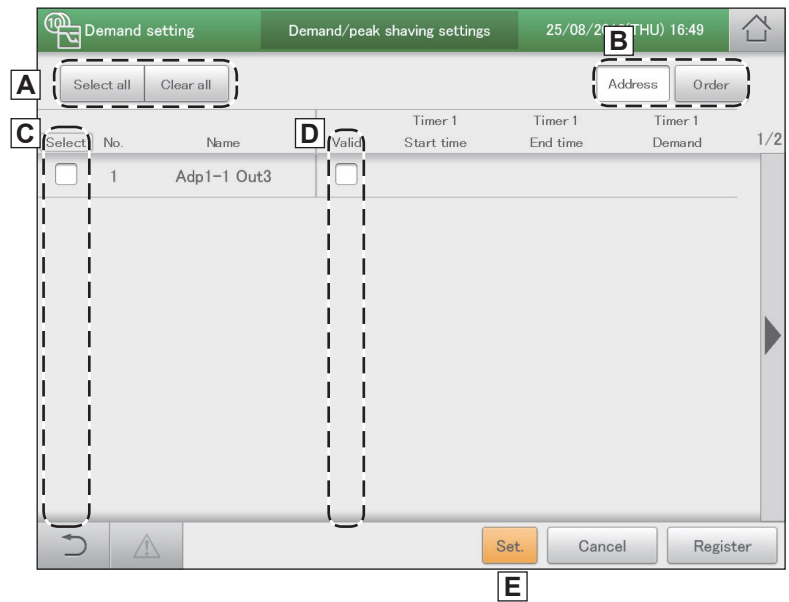
[Select all]	Select all outdoor units.
[Clear all]	Cancel selection of all outdoor units.

B: This switches between “Display” and “Address” each time you touch it.

C: The outdoor units with a check mark next to them will be the subject of the changes to the settings.

D: The outdoor time slot demand setting is enabled for the selected outdoor unit if you put a check mark here. This is linked with the “Demand/peak shaving Valid” (“Setting” dialogue) (P.96) setting.

E: The “Setting” dialogue is displayed when you touch this.



Control operation at regular intervals [I/D unit cyclic]

This type of control rotates through the set times slots at the specified intervals (3 minutes, 4 minutes, 5 minutes), evenly operating the indoor units in the control groups using the settings (OFF, thermostat, mode, set temperature) and recovering.

Attention

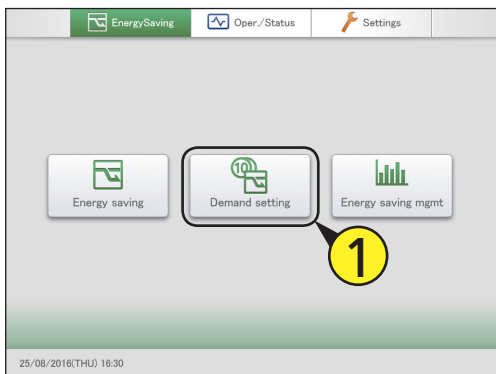
- Register the demand point input before making these settings. (P.89)
- Before making these settings, also cancel the demand operation settings ([No settings]) for the outdoor units in the “O/D unit information” screen. (P.35)

When using cycling control at 5 minute intervals on the indoor units in control groups 1 to 5

Control groups 1 to 3 are “T/S OFF” and control groups 4 and 5 are “Fan”, and if the interval is “5 min.”, the cycling control happens at 5 minute intervals.

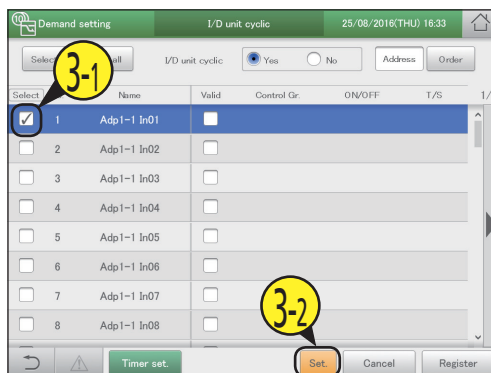
	5 min.	5 min.	5 min.	5 min.	5 min.
Control group 1	Thermostat forced OFF	Normal operation			
Control group 2	Normal operation	Thermostat forced OFF	Normal operation		
Control group 3	Normal operation		Thermostat forced OFF	Normal operation	
Control group 4	Normal operation			Fan	Normal operation
Control group 5	Normal operation				Fan

1 Touch [Demand setting] in “EnergySaving”.



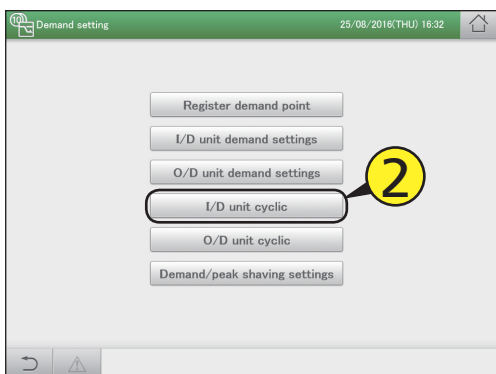
3 Put a check mark in the “Select” column (3-1), and touch [Set.] (3-2).

- The “Setting” dialogue is displayed.

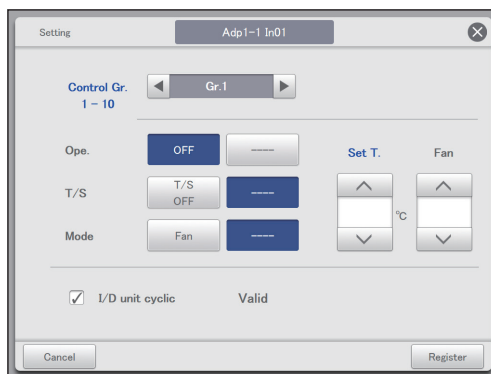


2 Touch [I/D unit cyclic].

- Enter the identification number (password level 1 or 2) and the “I/D unit cyclic” screen is displayed.



4 Change the settings.



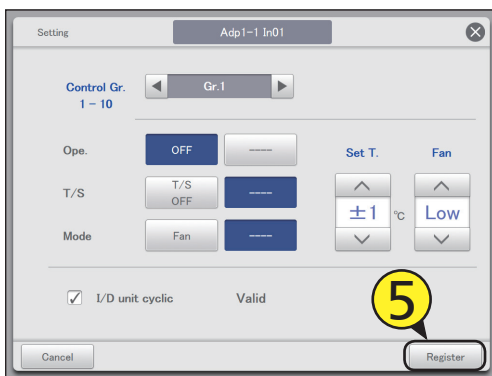
Item	Explanation
Control Gr. 1-10	Press ◀ ▶ to set the control group that the indoor unit is to be allocated to. (Up to 10 groups) Set from “Gr.1” to “Gr.10”.
Ope.	Operation of the indoor units is stopped. Set either [OFF] or [----]*.
T/S	The thermostat is set to off forcibly. Select between [T/S OFF] and [----]*.

Item	Explanation
Mode	Set the operating mode to fan. Set either [Fan] or [----]*.
Set T.	Set the temperature with and . Set "±1" or "±2", at 1 °C steps between 16 °C and 28 °C*.
Fan	Use and to set the fan speed. Set "Auto", "High", "Mid.", or "Low"*.
I/D unit cyclic Valid	The indoor unit cycling control function is enabled for the selected indoor unit if you put a check mark here.

* When left blank, that item does not cause any operation.

5 Touch [Register].

- The "Setting" dialogue closes.
- To cancel the settings, touch [Cancel].

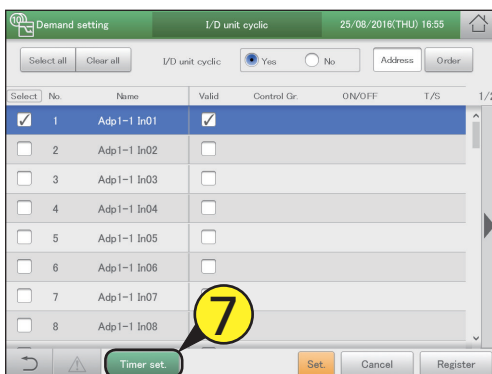


6 Set other indoor units.

- Repeat steps 3 to 5.

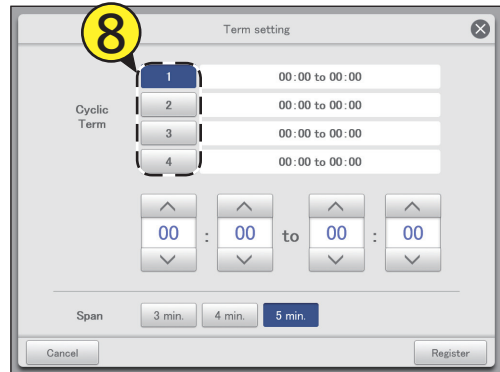
7 Touch [Timer set.].

- The "Term setting" dialogue is displayed.



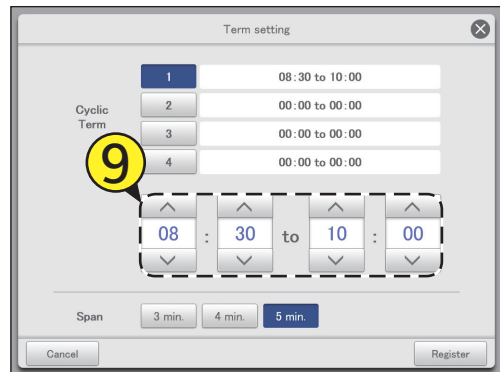
8 Touch the number.

- You can set 4 different time slots.



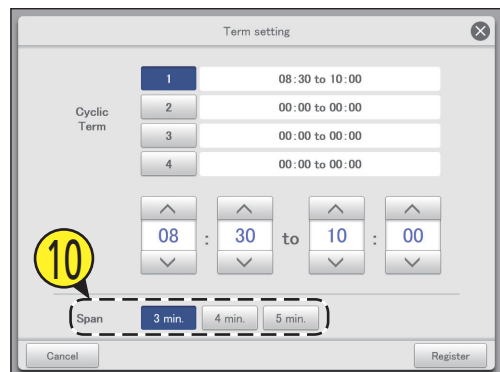
9 Set the times.

- The time on the left is the control start time. The time on the right is the control end time.
- Use and to set the time. Hours can be set in the range 0 to 23, and minutes may be either "00" or "30".



10 Set the control interval.

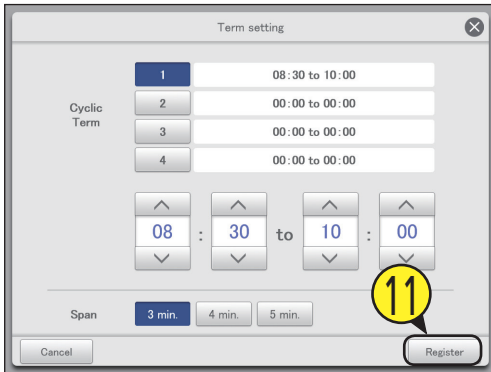
- Select "3 min.", "4 min.", or "5 min.".
- Repeat steps 7 to 9 to set for numbers [1] to [4].



Continued on next page

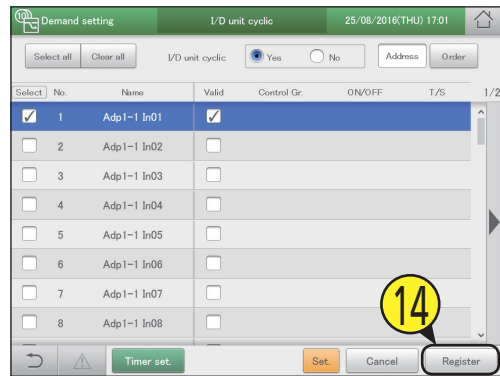
11 Touch [Register].

- The “Term setting” dialogue closes.
- To cancel the settings, touch [Cancel].

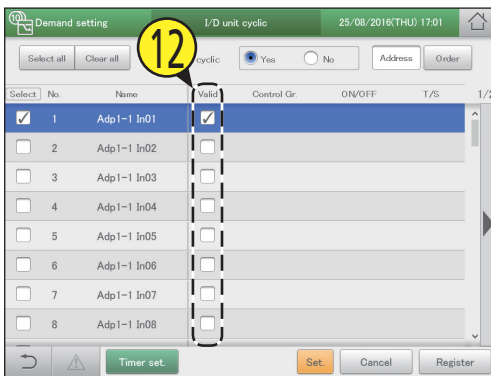


14 Touch [Register].

- To cancel the settings, touch [Cancel].



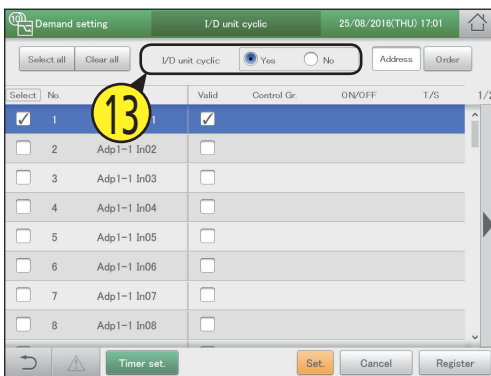
12 Put a check mark in the “Valid” column.



Note

- Up to 10 control groups can be created.
- Control groups that have not been set will not be the object of cyclic control.

13 Select “Yes” for “I/D unit cyclic”.



The "I/D unit cyclic" screen

A: [Select all]/[Clear all] buttons

[Select all]	Select all indoor units.
[Clear all]	Cancel selection of all indoor units.

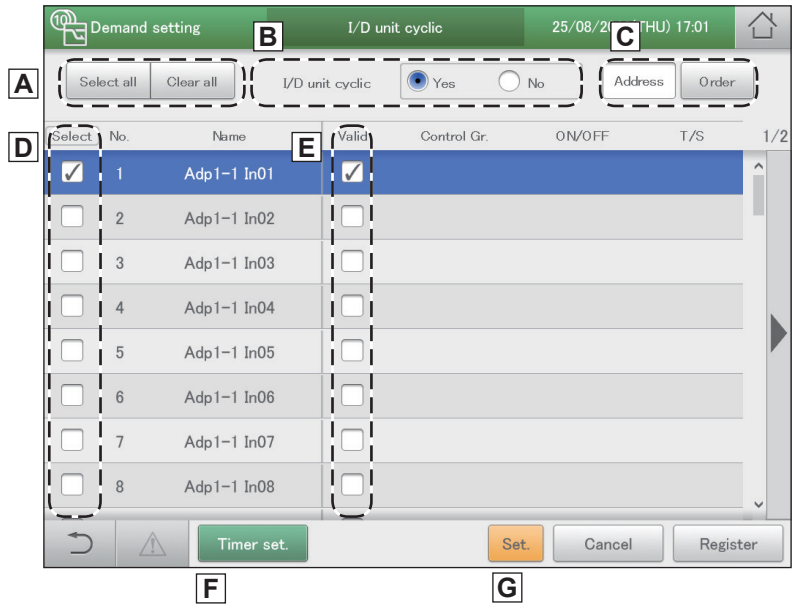
B: Set whether to enable indoor unit cycling control across the whole system or not.

Note

- If you select "Yes", make sure that you set "No" for outdoor unit cycling control settings.

C: Change list order. The list order changes each time you touch it.

Display	The display follows the order set in "I/D unit settings" (P.141).
O/D unit	The display follows the outdoor unit display order set in "O/D unit settings" (P.145).
Address	The display follows the address order set in "I/D unit settings" (P.141).



D: The indoor units with a check mark next to them will be the subject of the changes to the settings.

E: The I/D unit cyclic is enabled for the selected indoor unit if you put a check mark here. This is linked with the "I/D unit cyclic Valid" ("Setting" dialogue) (P.99) setting.

F: The "Term setting" dialogue is displayed when you touch this.

G: The "Setting" dialogue is displayed when you touch this.

Control operation at regular intervals [O/D unit cyclic]

This type of control rotates through at 10 minute intervals, evenly operating the outdoor units in the control groups either operating (or stopping) and recovering.

Attention

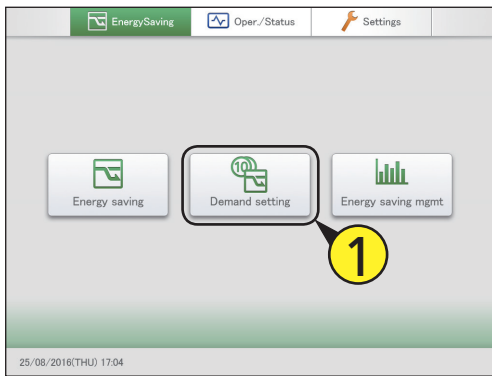
- Register the demand point input before making these settings. (P.89)
- Before making these settings, also cancel the demand operation settings ([No settings]) for the outdoor units in the “O/D unit information” screen. (P.35)

When using cycling control at 10 minute intervals on the outdoor units in control groups 1 to 5

Control groups 1 and 3 are “Force stop” and control groups 2, 4 and 5 are “50%” operation, and the cycling control happens at 10 minute intervals.

	10 min.	10 min.	10 min.	10 min.	10 min.
Control group 1	Forced stop	Normal operation			
Control group 2	Normal operation	50% control	Normal operation		
Control group 3	Normal operation		Forced stop	Normal operation	
Control group 4	Normal operation		50% control	Normal operation	
Control group 5	Normal operation			50% control	

1 Touch [Demand setting] in “EnergySaving”.



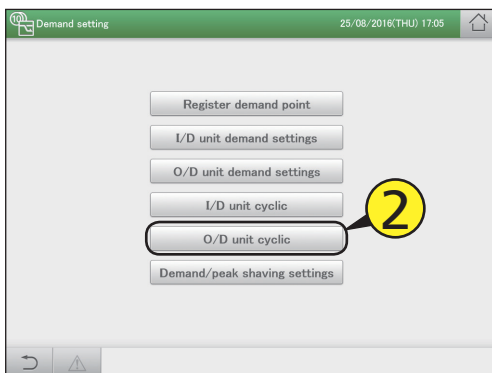
3 Put a check mark in the “Select” column (3-1), and touch [Set.] (3-2).

- The “Setting” dialogue is displayed.

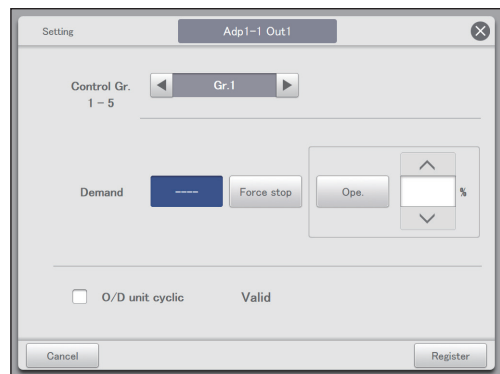


2 Touch [O/D unit cyclic].

- Enter the identification number (password level 1 or 2) and the “O/D unit cyclic” screen is displayed.



4 Change the settings.



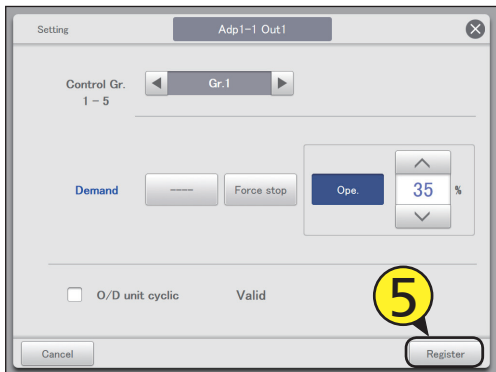
Item	Explanation
Control Gr. 1-5	Press ◀ ▶ to set the control group that the outdoor unit is to be allocated to. Set from “Gr.1” to “Gr.5”.
Demand	Select an operation. No operation is caused if you select [----]. When you have selected [Ope.], set the control rate with ▲ ▼. The values shown are those values that can be set for the outdoor unit selected.

Continued on next page

Item	Explanation
O/D unit cyclic Valid	The O/D unit cyclic function is enabled for the selected outdoor unit if you put a check mark here.

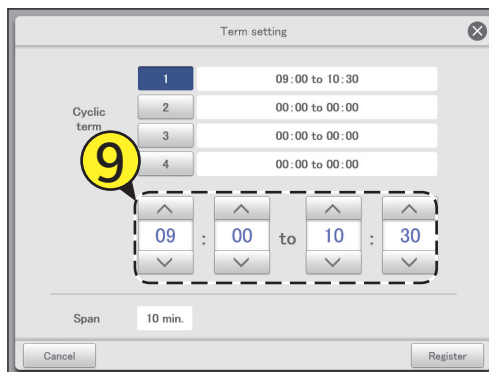
5 Touch [Register].

- The “Setting” dialogue closes.
- To cancel the settings, touch [Cancel].



9 Set the times.

- The time on the left is the control start time. The time on the right is the control end time.
- Use to set the time. Hours can be set in the range 0 to 23, and minutes may be either “00” or “30”.



6 Set other outdoor units.

- Repeat steps 3 to 5.

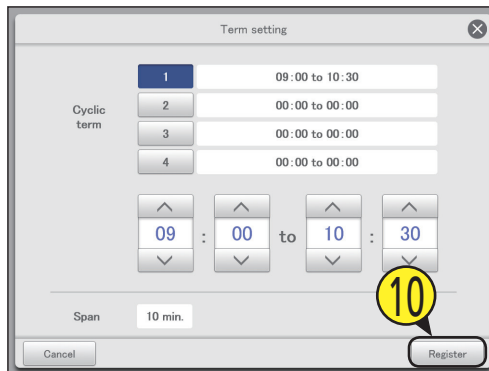
7 Touch [Timer set.].

- The “Term setting” dialogue is displayed.



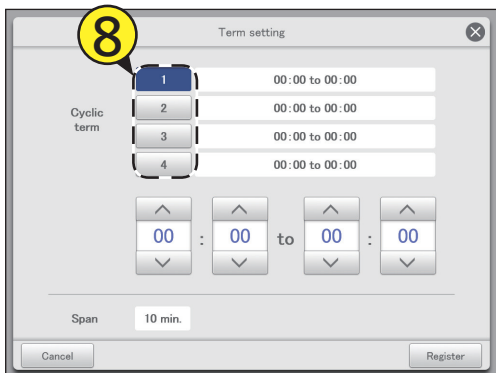
10 Touch [Register].

- The “Term setting” dialogue closes.
- To cancel the settings, touch [Cancel].



8 Touch the number.

- You can set 4 different time slots.

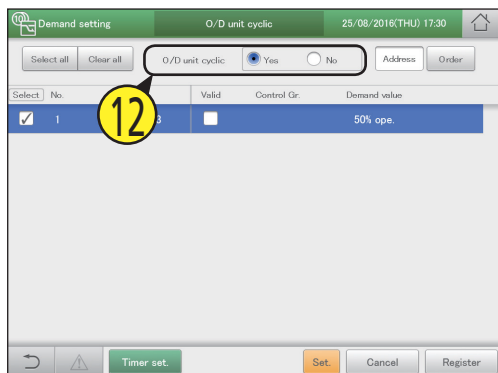


11 Put a check mark in the “Valid” column.



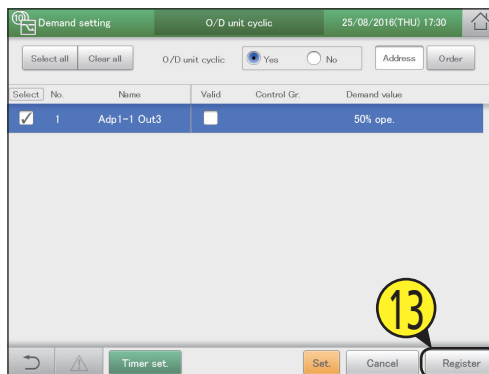
Continued on next page

12 Select "Yes" for "O/D unit cyclic".



13 Touch [Register].

- To cancel the settings, touch [Cancel].



Note

- Up to 5 control groups can be created.
- Control groups that have not been set will not be the object of cyclic control.

The "O/D unit cyclic" screen

A: [Select all]/[Clear all] buttons

[Select all]	Select all outdoor units.
[Clear all]	Cancel selection of all outdoor units.

B: Set whether to enable outdoor unit cycling control across the whole system or not.

Note

- If you select "Yes", make sure that you set "No" for indoor unit cycling control settings.

C: This switches between "Display" and "Address" each time you touch it.

D: The outdoor units with a check mark next to them will be the subject of the changes to the settings.

E: The O/D unit cyclic is enabled for the selected outdoor unit if you put a check mark here. This is linked with the "O/D unit cyclic Valid" ("Setting" dialogue) (P.103) setting.

F: The "Term setting" dialogue is displayed when you touch this.

G: The "Setting" dialogue is displayed when you touch this.

